

## **RHIC JOBS COMPLETION/REPAIRS SCHEDULE**

**RHIC SHUTDOWN/ACCESS PERIOD – TUESDAY DEC. 2, 2003 0800-1600HRS**

**RESULTS – TUESDAY DEC. 2, 2003 1800HRS**

R. Zaharatos –Monday, December 1, 2003(Rev. 1-1615hrs.)

### Collider P.S – R. Zapasek

- C** 1. Yellow Ring – Low resistance under investigation
- IP** 2. External p.s. work on spares as required.
- C** 3. Install lead flow gutters to control path of condensate

### Vacuum Group – S. Gill

- IP** 1. Leak check yo8-9 arc and install additional TMP at yo9-du3 end.
- IP** 2. Prepare bi8-pw3 for bake-out.
- C** 3. Spray the offending flange joint at bi1-pw3.1. (No additional leaking, ion pumps were off)
- C** 4. Leak check bo2-pw3.3 movable Schottky to ensure the leak is sealed.
- C** 5. Reset the set point of warm bore cc and ip to  $5e-7$  Torr except those at RF regions and bi8-pw3.1 to pw3.3.
- RS** 6. Troubleshoot problem with yi6-ip-pw3.3 cable or p.s..
- C** 7. Reset the A Trailer coprocessor.
- RS** 8. Check-out DNA problems with AGS ion pump power supplies.

### RF Group – N. Laloudakis

- IP** 1. Sect. 4 QEI P.S.'s installation – not needed for turn-on. One weeks work to complete(access required). NOTE: not required for intitial turn-on=IP/RS

### Beam Components and Instrumentation – D. Lehn

#### Sect. 1 & 2

- IP** 1. Gap cleaning.(2hrs.)
- C** 2. Install 2 flow switches for chiller(2hrs.)

#### Sect. 7 & 8

- C** 1. Collimators – Functional testing of devices for possible mechanical binding & LVDT work(4hrs each sector)
- C** 2. Pin Diode array – Troubleshooting of 3 possibly bad CERN type Pin Diodes(2hrs. each sector)

#### Sect. 11

- IP** 1. Stochastic Cooling Pick-up Tank – Motion control testing and shakedown(up to 8hrs.) Also installation of wiring for RF Amplifier Gain Control(2hrs.)

### CRYO(Warkentien/Masi)

#### All Sectors

- IP** 1. Fine tune thermistor flows through-out the ring in order to minimize the formation of ice balls(will require several maint. days)

#### Survey(Karl)

- C** 1. Survey of warm to cold region at the 1 o'clock side of Brahms, to finish the alignment of the beam tubes and permanent magnets in that area.

#### High Frequency Instrumentation – B. Sikora

- RS** 1. Run final 12 BPM cables(Sect. 1C)  
**IP** 2. Sect. 1 & 2 moveable BPM Schottky Cavity and Two Meter Kickers – access for fine tuning required after beam start-up.  
**RS** 3. QMM(Quad Monitor) – will also require access for tuning  
**C** 4. Alcove 9A – BPM Ampl. repair.

#### Access Controls(Meany)

- C** 1. Test crash actuator in Sect. 11

### FES Division – A. Pendzick

- IP** STAR – Turn-on testing(8hrs. plus stability test period)

#### PHENIX

- C** 1. Access to 1008 IR region and on top of 1008 (inside fence) to get the A/C charged and running.  
**RS** 2. Main systems turn-on testing(6hrs. plus stability test period)  
**IP** 3. Test the magnets power supplies

- C** Air-conditioning – check units in alcoves 11A and 11C.

#### Electricians

- C** 1. Repair gate lighting at 5gs1, 4de1, 7gi1, and 4gi1

### **OTHER MACHINES ACCESS**

- RS** Linac HEBT/LTB – PE Fire Alarm Electricians. Reconfigure detection zones and correct ground fault.